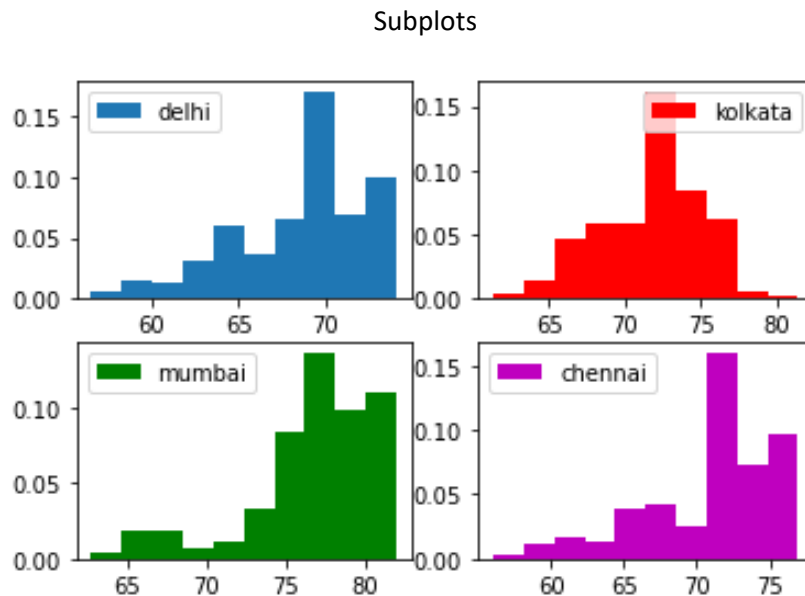


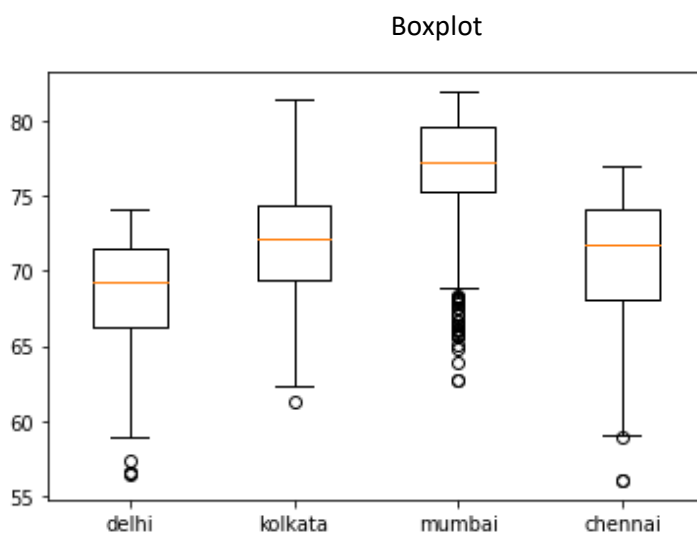
## Analysis of Indian petrol price 2014-2018

For each year the data includes: the price of four major cities in India (i.e., Delhi, Kolkata, Mumbai, Chennai). There are three different types of plotting to explain the price differences.



This are the four subplots (Fig1.1) that shows the yearly and price plot of the four major cities of India. In this its clearly shows that except Kolkata the other three cities has the same amount to the petrol.

Fig 1.1



when we looks towards the boxplots (Fig1.2) it shows that in Delhi most of the year the price was varying in between 65 to 70 , when comes to Kolkata the price was varying in between 70 to 75 ,when we looks to Mumbai its little bit increased and it varies between 75 to 80 in most of the years and at last loos towards Chennai its same as Kolkata most of the year price was varying between 70 to 75.

Fig 1.2

Violin plot

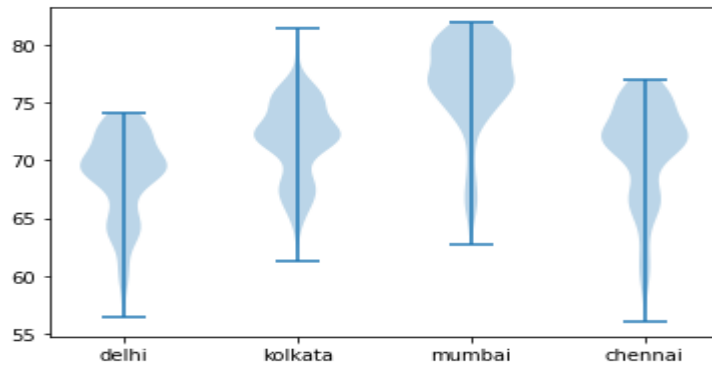


Fig1.3

At last it's the violinplot(Fig 1.3), when we analyse the graph the price in Delhi is between 55 to 75 and most of the years it was having a price of 70. when it comes to kolkata the price is between 60 to 80 and most of the years it was between 70 to 75. When comparing this to mumbai the price range was between 60 to 80 and most of the time its between

75 to 80. And at last when its comes to chennai prices is between 55 to 75 and most of the years its between 70 to 75.

In conclusion the price of petrol is increasing year by year and it varies according to the cites.